

Large quasi-isometry classes via bounded cohomology

Speaker: Vladimir Vankov

Abstract: The study of quasi-isometries between finitely generated groups has traditionally been one of the more common questions of geometric group theory, which includes understanding the possible nature of quasi-isometry classes in general. We explore generalising constructions of uncountably many quasi-isometric groups to the torsion-free setting, by appealing to phenomena not present in the countable setting. The role of bounded cohomology is to establish quasi-isometries, using ideas dating back to Gersten.